



# Diaphragm Valve Body & Drilling Identification



## Body Identification

### FLANGE DRILLING

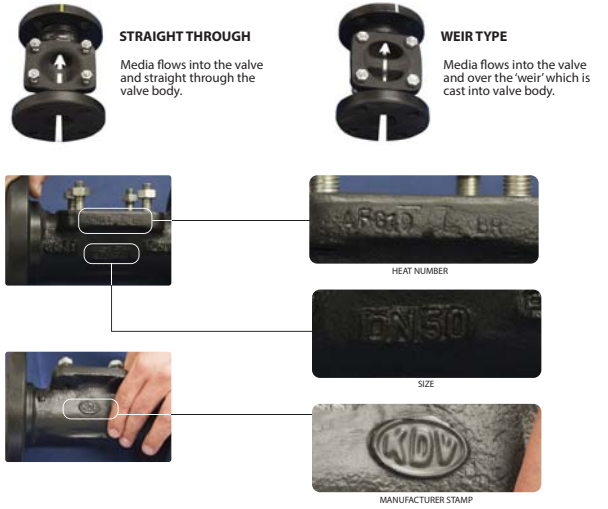
- ANSI #150 (White)  
 TABLE D/E (Yellow)  
 DIN PN10/16 (Red)  
 JIS10K (Blue)  
 SCREWED END  
 NPT (White)  
 BSPP (Yellow)

### BODY LINING

- RUBBER**  
 HARD RUBBER (White)  
 SOFT RUBBER (Blue)  
 BUTYL (Red)  
 NEOPRENE (Yellow)  
 EPDM (Pink)  
 HYPALON (Purple)
- PLASTIC**  
 Polypropylene (Cream)  
 ETFE (Gold)  
 PFA (Green)



## Body Style



## Diaphragm Identification



## Diaphragm Grades

### WEIR TYPE

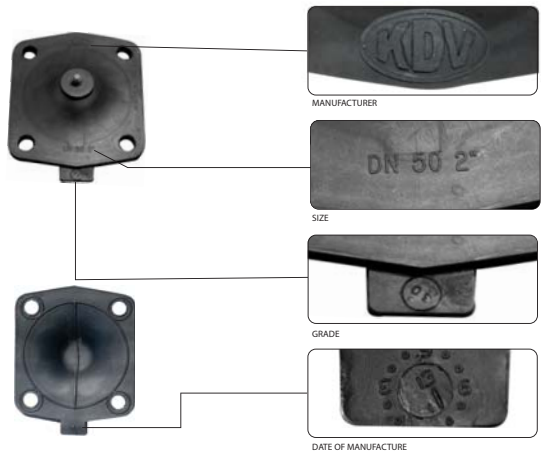
- 10 - Natural Rubber (Screwed)
- 20 - EPDM Rubber (Screwed)
- 30 - Butyl Rubber (Screwed)
- 40 - Nitrile Rubber (Screwed)
- 50 - Neoprene Rubber (Screwed)
- 60 - Hypalon Rubber (Screwed)
- 70 - Viton Rubber (Screwed)
- 92 - PTFE/EPDM Backed (Bayonet)
- 93 - PTFE/Butyl Backed (Bayonet)
- 96 - PTFE/Hypalon Backed (Bayonet)
- 97 - PTFE/Viton Backed (Bayonet)
- 9A - PTFE/EPDM Backed (Screwed)
- 98 - PTFE/Butyl Backed (Screwed)
- 9E - PTFE/EPDM 1 Piece Bonded (Screwed)

- 90 - PTFE/PVDF Interlayer/EPDM (Bayonet)
- 9R - PTFE/PVDF Interlayer/EPDM/TiG7 Insert (Bayonet)

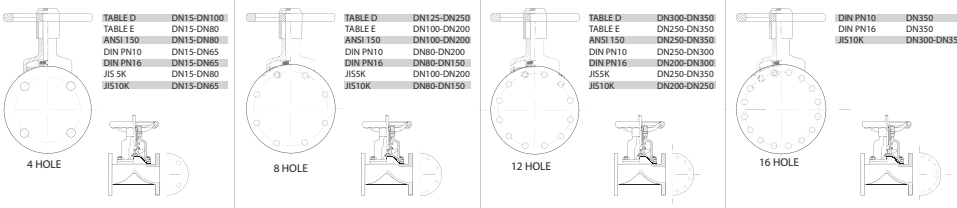
### STRAIGHT THROUGH TYPE

- 10 - Natural Rubber (Screwed)
- 20 - EPDM Rubber (Screwed)
- 30 - Butyl Rubber (Screwed)
- 40 - Nitrile Rubber (Screwed)
- 50 - Neoprene Rubber (Screwed)
- 60 - Hypalon Rubber (Screwed)
- 70 - Viton Rubber (Screwed)

NB: Vacuum grade diaphragms available on request



## Flange Drilling



DN	Pitch Circle Diameter (PCD)										Hole Diameter									
	ANSI 150	TABLE D	TABLE E	ANSI 150	DIN PN10	DIN PN16	JIS 5K	JIS 10K	ANSI 150	TABLE D	TABLE E	DIN PN10	DIN PN16	JIS 5K	JIS 10K					
15	60.3	67	67	65	65	60	70	16	14	14	14	14	12	15						
20	69.8	73	73	75	75	65	75	16	14	14	14	14	12	15						
25	79.3	83	83	85	85	75	90	16	14	14	14	14	12	19						
32	88.9	87	87	100	100	90	100	16	14	14	14	18	18	19						
40	98.4	98	98	110	110	95	105	16	14	14	18	18	15	19						
50	120.6	114	114	125	125	105	120	20	18	18	18	18	15	19						
65	139.7	127	127	145	145	130	140	20	18	18	18	18	15	19						
80	152.4	146	146	160	160	145	150	20	18	18	18	18	15	19						
100	190.5	178	178	180	180	165	175	20	18	18	18	18	15	19						
125	215.9	210	210	210	210	200	210	23	18	18	18	18	18	23						
150	241.3	235	235	240	240	230	240	23	18	22	22	22	19	23						
200	298.4	292	292	295	295	280	290	23	18	22	22	22	23	23						
250	361.9	356	356	350	350	345	355	26	22	22	22	22	23	25						
300	431.8	406	406	400	410	390	400	26	22	26	22	26	23	25						
350	476.2	470	470	460	470	435	445	29	26	26	22	26	25	25						

## Nominal Bore

Inch DN	Inch DN	Inch DN	Inch DN	Inch DN
1/8	3/8	1/2	3/4	1
1/4	1	1 1/2	2	2 1/2
3/8	2 1/2	3 1/2	4 1/2	5 1/2
1/2	3 1/2	4 1/2	5 1/2	6 1/2
3/4	4 1/2	5 1/2	6 1/2	7 1/2
1	5 1/2	6 1/2	7 1/2	8 1/2
1 1/4	6 1/2	7 1/2	8 1/2	9 1/2
1 1/2	7 1/2	8 1/2	9 1/2	10 1/2
2	8 1/2	9 1/2	10 1/2	11 1/2
2 1/2	9 1/2	10 1/2	11 1/2	12 1/2
3	10 1/2	11 1/2	12 1/2	13 1/2
3 1/2	11 1/2	12 1/2	13 1/2	14 1/2
4	12 1/2	13 1/2	14 1/2	15 1/2
4 1/2	13 1/2	14 1/2	15 1/2	16 1/2
5	14 1/2	15 1/2	16 1/2	17 1/2
5 1/2	15 1/2	16 1/2	17 1/2	18 1/2
6	16 1/2	17 1/2	18 1/2	19 1/2
6 1/2	17 1/2	18 1/2	19 1/2	20 1/2
7	18 1/2	19 1/2	20 1/2	21 1/2
7 1/2	19 1/2	20 1/2	21 1/2	22 1/2
8	20 1/2	21 1/2	22 1/2	23 1/2
8 1/2	21 1/2	22 1/2	23 1/2	24 1/2
9	22 1/2	23 1/2	24 1/2	25 1/2
9 1/2	23 1/2	24 1/2	25 1/2	26 1/2
10	24 1/2	25 1/2	26 1/2	27 1/2
10 1/2	25 1/2	26 1/2	27 1/2	28 1/2
11	26 1/2	27 1/2	28 1/2	29 1/2
11 1/2	27 1/2	28 1/2	29 1/2	30 1/2
12	28 1/2	29 1/2	30 1/2	31 1/2
12 1/2	29 1/2	30 1/2	31 1/2	32 1/2
13	30 1/2	31 1/2	32 1/2	33 1/2
13 1/2	31 1/2	32 1/2	33 1/2	34 1/2
14	32 1/2	33 1/2	34 1/2	35 1/2
14 1/2	33 1/2	34 1/2	35 1/2	36 1/2
15	34 1/2	35 1/2	36 1/2	37 1/2
15 1/2	35 1/2	36 1/2	37 1/2	38 1/2
16	36 1/2	37 1/2	38 1/2	39 1/2
16 1/2	37 1/2	38 1/2	39 1/2	40 1/2
17	38 1/2	39 1/2	40 1/2	41 1/2
17 1/2	39 1/2	40 1/2	41 1/2	42 1/2
18	40 1/2	41 1/2	42 1/2	43 1/2
18 1/2	41 1/2	42 1/2	43 1/2	44 1/2
19	42 1/2	43 1/2	44 1/2	45 1/2
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20	44 1/2	45 1/2	46 1/2	47 1/2
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21	46 1/2	47 1/2	48 1/2	49 1/2
21 1/2	47 1/2	48 1/2	49 1/2	50 1/2
22	48 1/2	49 1/2	50 1/2	51 1/2
22 1/2	49 1/2	50 1/2	51 1/2	52 1/2
23	50 1/2	51 1/2	52 1/2	53 1/2
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40 1/2	85 1/2	86 1/2	87 1/2	88 1/2
41	86 1/2	87 1/2	88 1/2	89 1/2
41 1/2	87 1/2	88 1/2	89 1/2	90 1/2
42	88 1/2	89 1/2	90 1/2	91 1/2
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43	90 1/2	91 1/2	92 1/2	93 1/2
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46	96 1/2	97 1/2	98 1/2	99 1/2
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51	106 1/2	107 1/2	108 1/2	109 1/2
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52 1/2	109 1/2	110 1/2	111 1/2	112 1/2
53	110 1/2	111 1/2	112 1/2	113 1/2
53 1/2	111 1/2	112 1/2	113 1/2	114 1/2
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54 1/2	113 1/2	114 1/2	115 1/2	116 1/2
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68	140 1/2	141 1/2	142 1/2	143 1/2
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70 1/2				